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Component Glasses and Glass Melts*; Mechanical Spectroscopy of Natural and Synthetic Silicate Glasses and Melts; Improved Composition-Property Relations in Silicate Glasses, Part I: Viscosity; Nucleation and Crystallization; Coupled Processes in Nucleation*; Sintering Kinetics of Crystallizing Glass Particles. A Review* Design of Energy and Environmentally Friendly Fiberglass Compositions Derived from the Quaternary SiO₂-Al₂O₃-CaO-MgO Phase Diagram - Part I: Structures, Properties, and Crystallization Potential of Eutectic and Selected Multi-Oxide E-Glass Compositions*Some Aspects of Glass and Glass Ceramics Formation of Stoichiometric Compositions in the RO-Al₂O₃-B₂O₃ Systems; Crystallization of a Li₂O-2SiO₂ Glass Under High Hydrostatic Pressures; Effect of Isomorphous Substitutions on Crystallization of Mica and Amphibole Phases in Glasses of the System SiO₂-Al₂O₃-B₂O₃-CaO-MgO-Li₂O-(K,Na)₂O-F Properties of Glass-Ceramics Synthesized from Hydrometallurgical Zinc WasteAuthor Index; Keyword Index

Sommario/riassunto

This volume will summarize the most recent development in experimentation, computation, and theory on chemistry of glass forming melt, including melt structure modeling and melt structure and characterizations. This volume provides a timely update on the advances in glass basic science research and development.
